

IN THE UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF DELAWARE

<div style="display: flex; justify-content: space-between;"> <div>TQ DELTA, LLC,  v.  ZHONE TECHNOLOGIES, INC.</div> <div>Plaintiff,   Defendant.</div> </div>	Civil Action No. 13-cv-1836-RGA
<div style="display: flex; justify-content: space-between;"> <div>TQ DELTA, LLC,  v.  ZYNEL COMMUNICATIONS, INC. and ZYNEL CORPORATION,</div> <div>Plaintiff,   COMMUNICATIONS Defendants.</div> </div>	Civil Action No. 13-cv-2013-RGA
<div style="display: flex; justify-content: space-between;"> <div>TQ DELTA, LLC,  v.  ADTRAN, INC.</div> <div>Plaintiff,   Defendant.</div> </div>	Civil Action No. 14-cv-954-RGA
<div style="display: flex; justify-content: space-between;"> <div>ADTRAN, INC.,  v.  TQ DELTA, LLC.</div> <div>Plaintiff,   Defendant.</div> </div>	Civil Action No. 15-cv-121-RGA

**FAMILY 9 PATENTS JOINT CLAIM CONSTRUCTION CHART**

Pursuant to ¶ 9 of the Court's Third and Final Scheduling Order, dated April 10, 2017, Plaintiff TQ Delta, LLC and Defendants in the above-captioned cases submit their Joint Claim Construction Chart ("Chart") for the Family 9 Patents (U.S. Patent Nos. 8,335,956 ("the '956 patent"), 8,407,546 ("the '546 patent"), 8,468,411 ("the '411 patent"), 8,595,577 ("the '577 patent"), and 8,645,784 ("the '784 patent")). The Chart attached as Exhibit A includes the parties' respective proposed constructions of the disputed language of the asserted claims of the Family 9 Patents. The Chart includes citations to the parties' intrinsic evidence in support of

such constructions. For the Court's reference, also included in Exhibit A are the parties' agreed to constructions for language of the asserted claims. The parties reserve their rights to amend and/or supplement their disclosures.

In addition to the Joint Claim Construction Chart attached as Exhibit A, copies of the Family 9 Patents are attached as Exhibits B–F:

<b>Exhibit</b>	<b>Description</b>
B	'956 patent
C	'546 patent
D	'411 patent
E	'577 patent
F	'784 patent

Dated: October 2, 2017

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Respectfully submitted,

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